



Bayfield County Administrator
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Mark Abeles-Allison, *County Administrator*
Kristine Kavajecz, *Assistant*

March 8, 2017

Project Title: REQUEST FOR BIDS Bayfield County Hillside Site Tower

Site Location:

210 W. Woodland Dr.
Washburn, WI 54891

Lat: 46-41-05.00
Lon: 90-53-44.51

Bid Schedule:

Bid Announcement: March 8, 2017
Bids Due: 2:00pm March 23, 2017
Bids Opening: 2:00pm Thursday, March 23
Target Completion Date: May 31, 2017

Introduction:

Bayfield County has erected a new 180' self-supporting tower and will be dismantling an old tower at the same address. The existing tower shelter will be vacated and will require demolition. Also, to provide a low maintenance and secure tower site, a new fence compound with weed barrier and crushed rock overlay will need to be installed as well as a driveway for site access. Bayfield County would also like to finish the site with some landscaping for aesthetic concerns.

ADDENDUM Notices: Please inform Bayfield County of your intent to bid on this project by sending an email to markaa@bayfieldcounty.org and kkavajecz@bayfieldcounty.org. This will help ensure that bid addendums are shared with all bidders.

It is the bidders responsibility to check on the web site after 5:00pm on Monday March 20 to see if any addendums are posted.

General Standards and References: These standards and references apply to all Bid response line items.

- Occupational Safety and Health Administration (OSHA): All work performed in the execution of this work phases shall comply with the pertinent OSHA standards. It is the awarded contractor responsibility to provide all personal protective equipment (PPE), training, supervision and policies to execute this work free from injury or illness.

- National Association of Tower Erectors (NATE): Tower erection and construction shall be accomplished using the best practices and policies of NATE.
- National Electrical Code (NEC) NFPA part 70: All electrical and coaxial cabling and installation shall comply with the 2014 Edition of NFPA part 70.

Site Accessibility:

Site is accessible from W Woodland Drive Approximately 200' West of the intersection of Washington Avenue and W Woodland Drive in the City of Washburn, WI.

Site Conditions:

The new tower is in place. The old tower shelter will be vacated and the old tower deconstructed by another party and removed from the site. The proposed construction areas are clear of obstacles.

Timing: These projects are part of a larger Tower project. These projects may proceed upon installation of utilities and deconstruction of the existing tower is completed, estimated date of completion is: April 15, 2017.

Bid Parcel 1: Shelter Demolition:

The current shelter is a cinder block structure approximately 6'X8'X8' Cinder Block with a poured concrete slab Floor and a wooden truss roof. This line item is also to include the removal and disposal of the existing 20' x 25' fence around the old shelter. Once all equipment and utilities are removed from the shelter, the successful bidder will demolish and remove all building materials and fence components from site and properly dispose of. All costs for labor, equipment, hauling and disposal shall be included in the bidder's single line item price.

Demolition shall include removal (or grinding down to 1 foot below grade and backfilled) of the concrete guy anchor points.

Bid Parcel 2: Site Grading, Road and Weed Control:

- Grading of Tower: Weed Control and Finish Grading: Upon award, the successful bidder of Bid Parcel 2 will grade the site in accordance with the attached Site Grading Drawing. This includes the scraping of existing soils to 6" below current nominal grade and a 6" base course of ¾" aggregate with fines is to be applied and compacted to an area extending 6" beyond the proposed fence perimeter. Atop the 6" Base Course, a 4 Oz. Spunbonded (or comparable) Weed Barrier Fabric is to be applied, and finished with a minimum Finish Course of ¾" Crushed Aggregate without Fines, to be equally spread across the proposed area. See Attached: Grading Plan.

NOTES:

- o Existing Grounding rings have been placed with a depth of 1' below existing grade; care shall be taken to ensure that this ground ring is undisturbed. Attached is a reference drawing of the grounding system.
- o Grounding Conductors for future attachment are placed in several locations; these are to be protected from damage and to be left above finished grade for future use when completed.

- Top soil can be hauled to the Bayfield County Highway Department lot in Washburn if coordinated.
- b. Installation of Driveway: Upon award, the successful Bidder of Parcel 2 will install a driveway per the attached Driveway Profile and Driveway Location drawings. This includes the 12' Wide Driveway (with 1' grade-out on each side for total of 14'). A Parking Area is also to be installed which is to be the width of the fence compound and 20' in depth to allow for vehicle maneuvering to reverse direction on driveway. All costs for materials labor and equipment shall be included in the bid response.

Bid Parcel 3: Site Fence Compound:

- a. Fence Compound: Upon Award, the successful Bidder shall provide a 7' tall Commercial grade security fence, with 1' of triple run barbed wire to prevent entry into the fence compound. This compound will have a 14' wide vehicle gate with a site Shared Locking system such as the 5 Multi-Latch for Tubular Frames locking system (<http://www.tayhope.com/index.php/us/view/14:5-tubular-frame>) See attached Fence Compound and Fence Construction drawings. ASTM Standards. Please include fence specifications, posts and fencing type.

NOTE: As part of this bid, the ground #2 tinned solid copper conductors provided at each of the fence corner post location must be bonded to the four fence corner posts using exothermic welds (Cad-weld).

OPTIONAL – Vinyl Privacy Slats: We would like to explore the option of vinyl privacy slats installed in the fence in either a tan or green color to minimize the aesthetic impact of the fence compound. Please provide the cost for this option for our consideration.

Bid Parcel 4: Site Landscaping:

General: It is Bayfield County's Intention to plant 8 or more trees and 16 or more shrubs strategically placed to minimize the aesthetic impact of the tower structure and compound as viewed from grade particularly from the North and the South of the tower. We request a proposal from a qualified arborist, horticulturalist, and/or landscaper to provide a proposal and execution of work to include the planning and planting 8 trees and 16 shrubs as a baseline cost with the optional costs for additional trees and shrubs as they may be needed. The format for response to consider costs and value equally from numerous several bidders shall consistent with the attached Bid Response Worksheet. Also requested is a basic overview submitted in the form of an overhead view drawing including the baseline quantities of trees and shrubs as well as the placement of additional suggested trees and/or shrubs that may provide benefit.

Planting costs to include an 18-month warranty.

- a. Cost for Planting 8 Trees: This line item is to include the costs for planning, providing and planting the baseline 8 trees. These trees shall be Thuja Plicata (known commonly as Western Arborvitae or Western Red Cedar) These trees have been selected for rapid hearty growth and as planted must be no smaller than 8' in height.
- b. Cost for Planting 16 Shrubs: This line item is to include the costs for planning, providing and planting the baseline 16 shrubs. These shrubs shall be Northern Sun Forstythia .

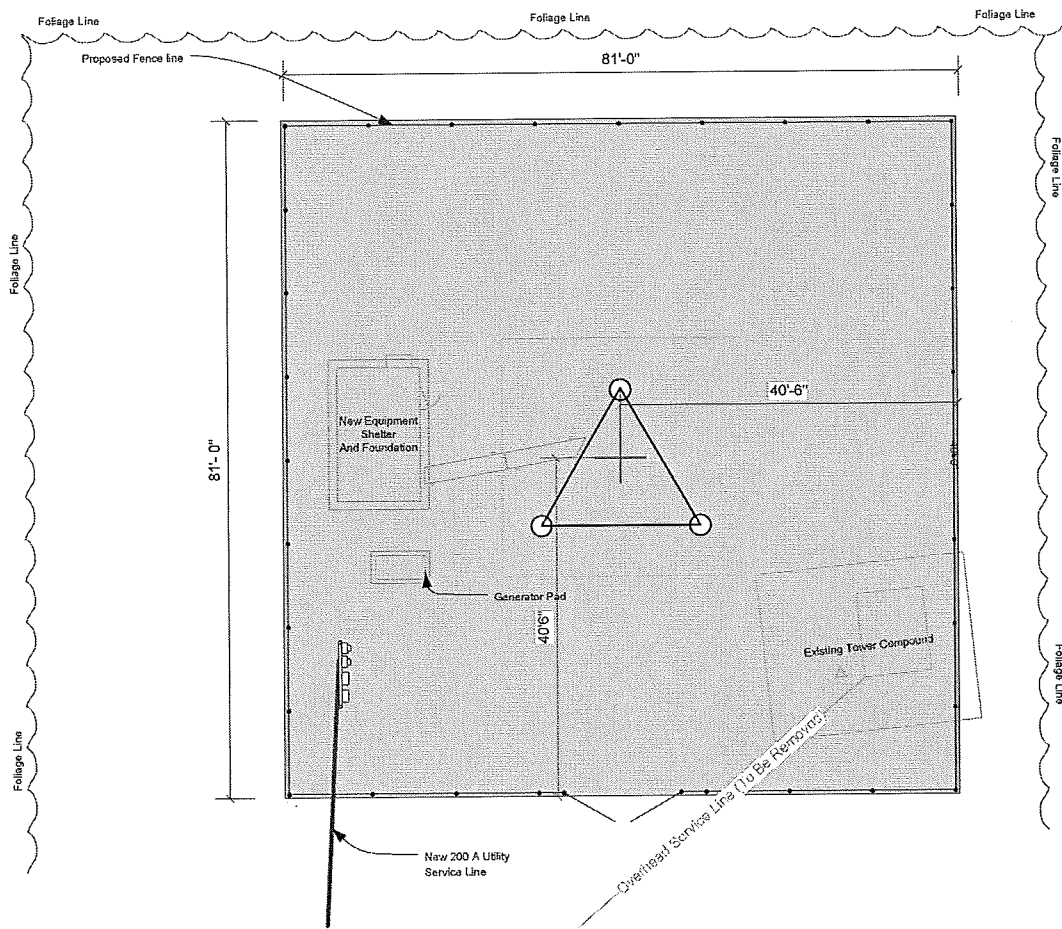
These shrubs have been selected for rapid hearty growth and as planted must be no smaller than 4' in height.

- c. Additional Trees (per tree including labor): In this line item, include the per unit cost for each additional tree beyond the first 8 trees. The factored costs shall be considered for the additional trees to be ordered and planted at the same time as the initial 8 trees in line item 4a.
- d. Additional Shrub (per shrub including labor): In this line item, include the per unit cost for each additional tree beyond the first 8 trees. The factored costs shall be considered for the additional trees to be ordered and planted at the same time as the initial 8 trees in line item 4a.

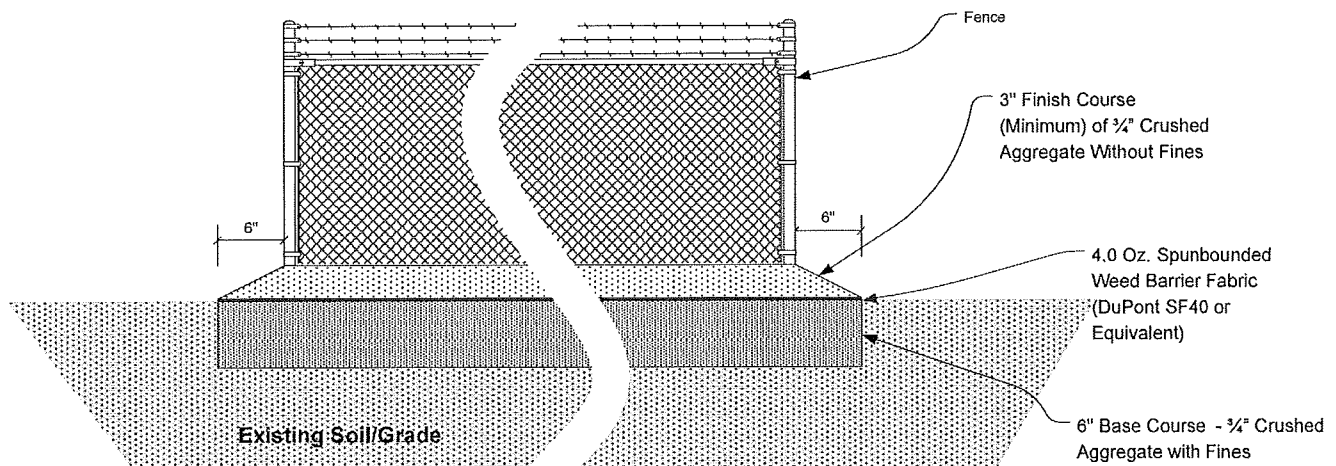
End

Site Grading Drawing

Grading Plan Sheet (1 of 2)



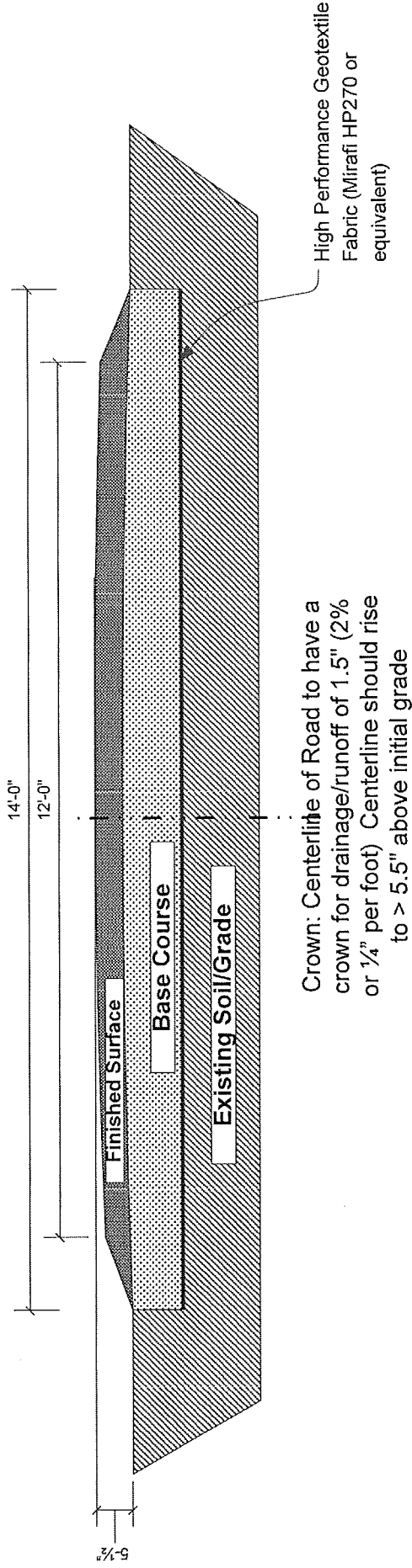
Grading Plan Sheet (2 of 2)



Driveway Profile

Notes:

- All Courses and Finished Surfaces to be compacted prior to measurement of minimum dimensions to ensure driveway stability and durability
- **Finished Course Material:** - 4" Minimum of Crushes Aggregate Gradation #43 (Approx 65% gravel)
- **Base Course Material:** - 8" Minimum od 3" Breaker Run Stone



Parking Area Profile

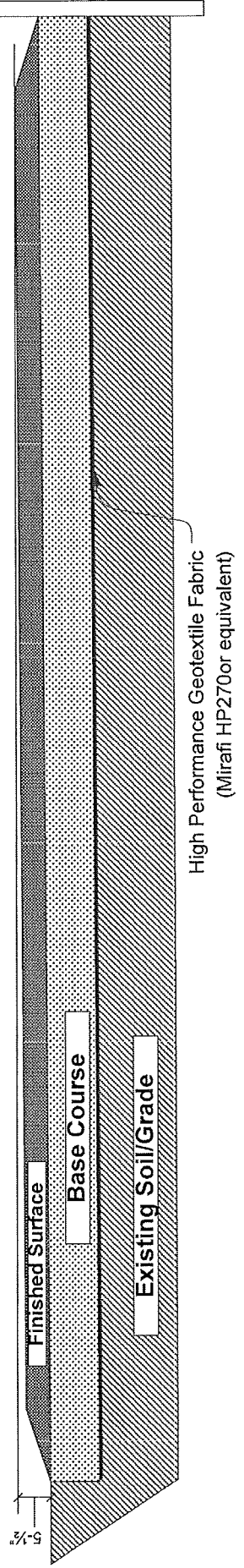
Note: Parking Area to have a rise to the North of approximately 1.5" to match road crown height. And provide water runoff.

Fence Compound (South Side)

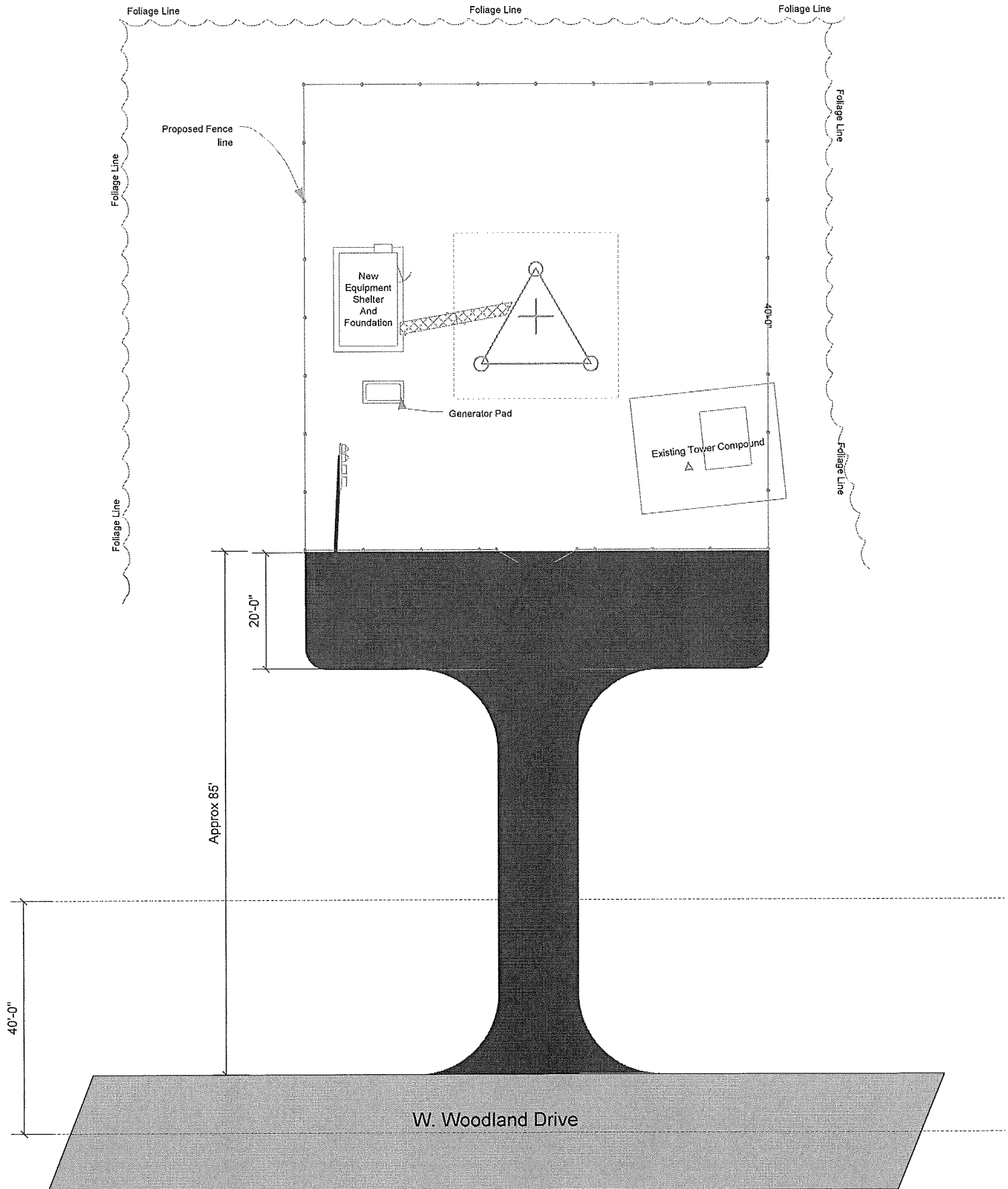
20'-0"

18'-0"

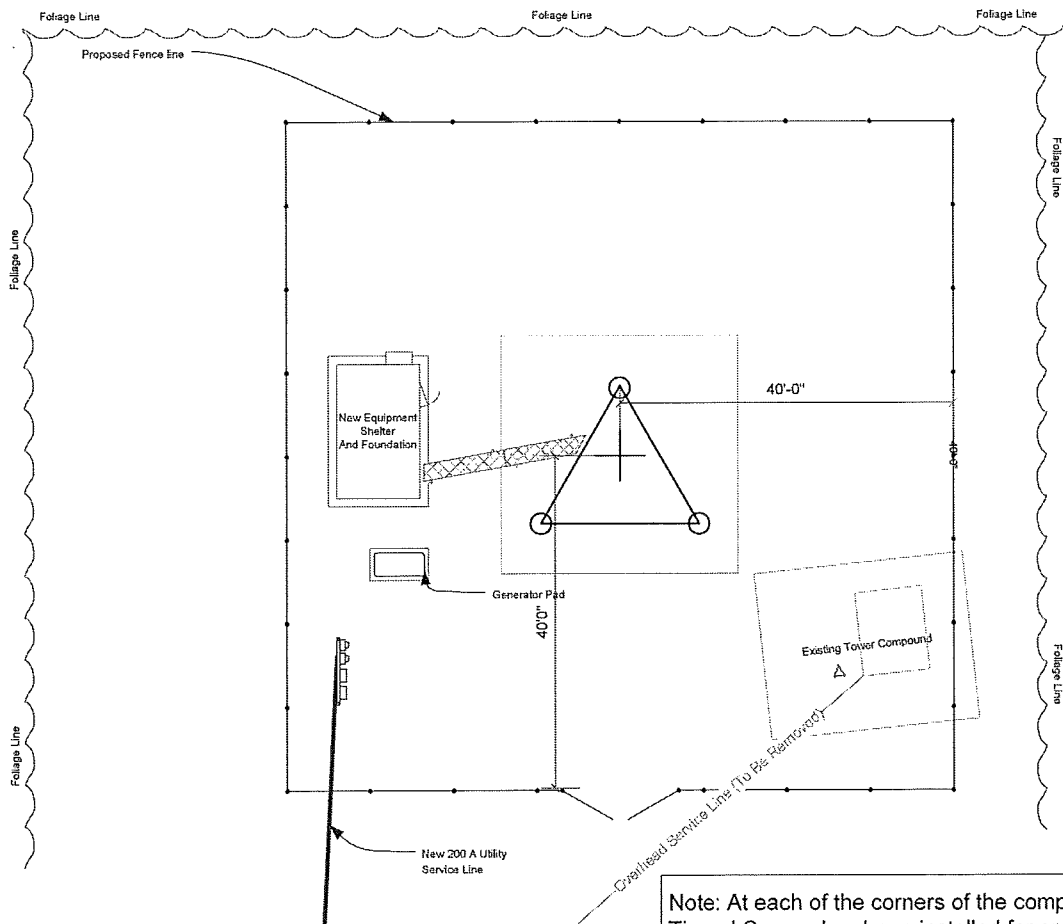
5 1/2"



Driveway Location



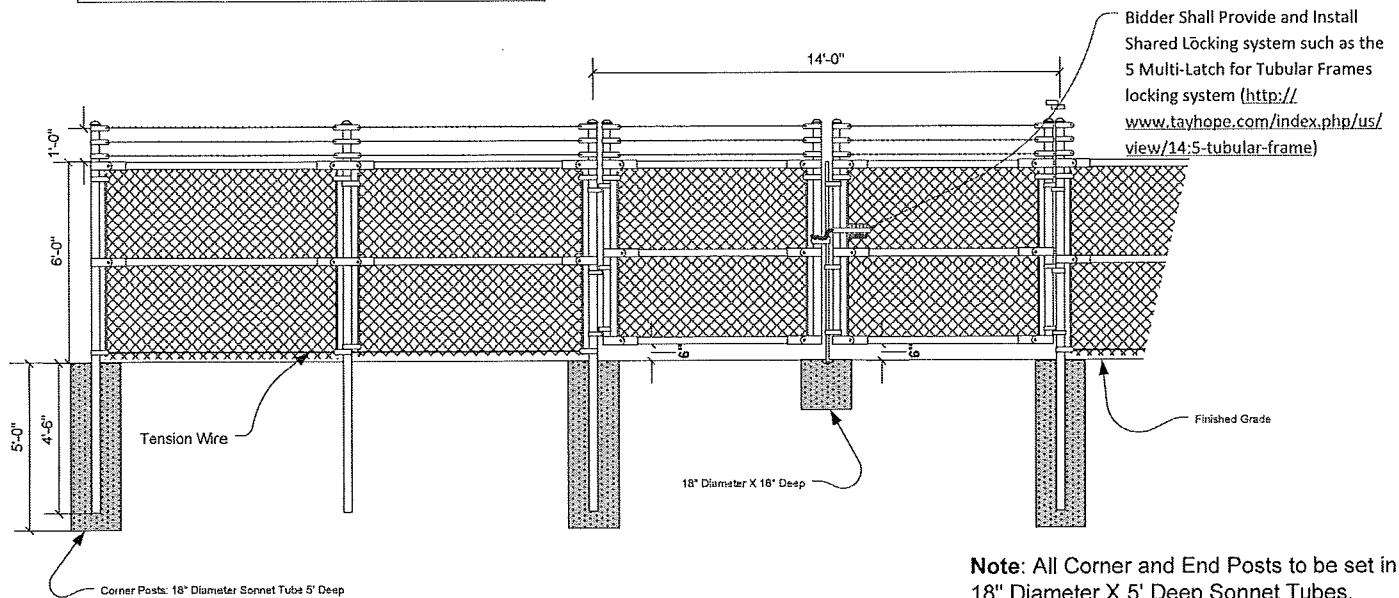
Attachment I: Fence Compound



Note: At each of the corners of the compound, a Coil of #2 Solid Tinned Copper has been installed for grounding of the fence. These must be Exothermically bonded (Cad-Weld) to each of the corner posts as part of this bid.

Fence Compound

Note: At each of the corners of the compound, a Coil of #2 Solid Tinned Copper has been installed for grounding of the fence. These must be Exothermically bonded (Cad-Weld) to each of the corner posts as part of this bid.



Note: All Corner and End Posts to be set in 18" Diameter X 5' Deep Sonnet Tubes. All Intermediate posts can be driven straight in to ground

Bid Response Form for Bayfield County "Hillside" Tower Structure Replacement

Company

Name: _____

Contact _____

Name: _____

Phone: _____

Email: _____

Bid Line Item Description

Total

1	Shelter Demolition	
a:	Demolish and Dispose of Old Shelter	\$ -
Bid Line Item 1 Shelter Demolition		\$ -

2	Site Grading and Driveway	
a.	- Grading of Tower Site, Weed Control and Finish Grading	\$ -
b.	- Installation of Driveway	\$
Bid Line Item 2 Site Grading, Driveway and Weed Control		\$

3	Site Fence Compound	
a.	- Installation of Fence Compound	\$ -
Bid Line Item 3 Fence Compound		\$ -
	- OPTIONAL - Vinyl privacy slats	\$ -

4	Site Landscaping	
a.	- Cost for Planting of 8 Trees	\$ -
b.	- Cost for Planting of 16 Shrubs	\$
c.	- Other Expenses/Considerations	\$
d.	- Additional Trees (per tree including labor)	\$
e.	- Additional Shrubs (per shrub including labor)	\$
Bid Line Item 3 Fence Compound		\$ -

Bid Response Form Instructions:

Bid responses shall include a single monetary figure entered into the total column for each of the lettered rows for which you wish to bid. The specifications for materials
 Bid responses will be deemed incomplete if they do not include monetary figures in each of the lettered rows, and will be rejected.